(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property **Organization** International Bureau



(43) International Publication Date 18 August 2005 (18.08.2005)

PCT

(10) International Publication Number WO 2005/074598 A3

(51) International Patent Classification⁷: 209/04, 207/33, 209/48

C07D 245/00,

(21) International Application Number:

PCT/US2005/003183

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/540,688 60/632,456 30 January 2004 (30.01.2004) US

2 December 2004 (02.12.2004) US

- (71) Applicant (for all designated States except US): JOHNS HOPKINS UNIVERSITY [US/US]; 100 N. Charles Street, 5th Floor, Baltimore, MD 21201 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): TOSCANO, John, P., III [US/US]; 709 Regester Avenue, Baltimore, MD 21212 (US). PAVLOS, Christopher, M. [US/US]; 14018 Chetnue Court, Laurel, MD 20707 (US). BOPPANA, Preeya, Kapur [US/US]; 8577 Indian Spring Rd., Frederick, MD 21702 (US).
- (74) Agent: CORLESS, Peter, F.; Edwards & Angell LLP, P.O. Box 55874, Boston, MA 02205 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 15 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NITROXYL PROGENITOR COMPOUNDS AND METHODS OF USE

(57) Abstract: Described herein are nitroxyl progenitor compounds, and compositions including, and methods or generating, the compounds thereof, and methods of treating or preventing disease and disease symptoms using the compounds and compositions.